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BTEC

Mark Scheme

Additional Sample Assessment Materials

Pearson BTEC Tech Award

In Animal Care (BAC03)

Component 3: Animal Health and Welfare

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Component 3: Animal Health and Welfare

General marking guidance

• All learners must receive the same treatment. Examiners must mark the first learner in exactly the same way as they mark the last.
• Mark grids should be applied positively. Learners must be rewarded for what they have shown they can do rather than be penalised for omissions.
• Examiners should mark according to the mark grid, not according to their perception of where the grade boundaries may lie.
• All marks on the mark grid should be used appropriately.
• All the marks on the mark grid are designed to be awarded. Examiners should always
award full marks if deserved. Examiners should also be prepared to award zero marks if the learner's response is not rewardable according to the mark grid.
• Where judgement is required, a mark grid will provide the principles by which marks will be awarded.
• When examiners are in doubt regarding the application of the mark grid to a learner's
response, a senior examiner should be consulted.

Points-Based Mark Scheme Guidance

Points-based mark schemes are made up of:
1. Mark scheme rubric:
A mark scheme rubric instructs an examiner as to how each mark is awarded.
2. Example responses:
These demonstrate the type of acceptable responses that a learner might provide and where each mark is awarded.
3. Additional marking guidance:
This informs examiners about any parameters which should be applied, for example 'accept any other appropriate/alternative responses'.

Applying the points-based mark scheme guidance

Examiners should follow the mark scheme rubric and use the example responses as
a guide for the relevance and expectation of the responses. Learners must be credited for any appropriate response. Should learners provide answers that meet the rubric but in an alternative order, credit should be given.

Levels-Based Mark Scheme Guidance

Levels-based mark schemes (LBMS) have been designed to assess learners' work holistically. They consist of two parts:
1. Indicative content:
Indicative content reflects content-related points that a learner might make but is not an exhaustive list. Nor is it a model answer. Learners may make some or none of the points included in the indicative content as its purpose is as a guide for the

relevance and expectation of the responses. Learners must be credited for any appropriate response.
2. Levels-based descriptors:
Each level is made up of a number of traits which when combined together articulate the quality of response that a learner needs to demonstrate. The traits progress across the levels to demonstrate the different expectations of each level. When using a levels-based mark scheme, the 'best fit' approach should be used.

Applying the levels-based descriptors
Examiners should take a 'best fit' approach to determining the mark.
• Examiners should first make a holistic judgement on which level most closely matches the learner's response. Learners will be placed in the level that best describes their answer. Answers can display characteristics from more than one level, and where this happens markers must use any additional guidance (for example weighting of traits) and their professional judgement to decide which level is most appropriate.
• The mark awarded within the level will be decided based on the quality of the answer and will be modified according to how securely all traits are displayed at that level:
o marks will be awarded at the top of that level if the learner has evidenced each of the descriptor traits securely.
o where the response does not securely meet all traits, the marks should be awarded

based on how closely the descriptor has been met.

Question Number	Answer	Mark
1	Award **one** mark for the correct response. A - Cowering	1

Question Number	Answer	Mark
2	Award **one** mark for the correct response. D - Tapeworm	1

Question Number	Answer	Mark
3	Award **one** mark for the correct response. C – Police force	1

Question Number	Answer	Mark
4	Award **one** mark for the correct response. C - Giving extra bedding	1

Question Number	Answer	Mark
5	Award **one** mark for each correct response up to a maximum of **two** marks. A – Parvovirus D – Kennel cough	2

Question Number	Answer	Mark
6	Award **one** mark for each correct response. • Dull • Greasy • Matted • Coat clings to rib cage • Bald patches • Presence of parasites Accept any other appropriate answer.	1

Question Number	Answer	Mark
7	Award **one** mark for each correct response up to a maximum of **two** marks. • Sourcing pets • Legal world trade • Illegal trade/animal organs • Conservation/breeding programmes Accept specific examples of any of the above.	2

Question Number	Answer	Mark
8 (a)	Award **one** mark for: Bacteria	1

Question Number	Answer	Mark
8 (b)	Award **one** mark for a correct identification and **one** further mark for an expansion, up to a maximum of **two** marks. • Isolate (1) to prevent other animals being infected (1) • Treat disease (1) to prevent further suffering (1) • Antibiotics (1) to kill bacteria (1) • Barrier nursing (1) to prevent cross contamination (1) Accept any other appropriate response.	2

Question Number	Answer	Mark
9	Award **one** mark for each correct response up to a maximum of **two** marks: • under-skin microchipping • ear tattoo • branding • photographs/record cards Accept any other appropriate response.	2

Question Number	Answer	Mark
10	Award **one** mark for each correctly given reason up to a maximum of **two** marks. • Warm/insulating • Waterproof • Draughtproof • Safe/secure/strong • Non-toxic • Unable to cause injury • Easy to clean Accept any other appropriate wording.	2

Question Number	Answer	Mark
11	Award **one** mark for a correct identification and one further mark for an expansion, up to a maximum of **two** marks. • Banned breeds must be muzzled in public (1) to prevent dog attacks (1) • Banned breeds cannot be bred from (1) to prevent unauthorised breeding (1) • Banned breeds must be tattooed (1) so they can be easily tracked to their owner (1) Accept any other appropriate response.	2

Question Number	Answer	Mark
12	Award **one** mark for each correct identification and **one** further mark for an expansion, up to a maximum of **four** marks.	4

	• Restrain animal (1) to prevent personal injury (1) • Locate pulse point/femoral artery (1) so pulse can be felt (1) • Use two fingers (1) to prevent pulse in thumb affecting results (1) • Count pulse rate for 1 minute (1) to compare to normal/identify concerns (1) Accept any other appropriate response.	

Question Number	Answer	Mark
13 (a)	Award **one** mark for each correct symptom up to a maximum of **two** marks. • Shaking • Weakness • Confusion • Fever • Loss of appetite • Vomiting • Diarrhoea • Difficulty breathing Accept any other appropriate response.	2

Question Number	Answer	Mark
13 (b)	Award **one** mark for each correct treatment up to a maximum of **two** marks. • Antibiotics • Fluid therapy/supportive care • Oxygen Accept any other appropriate response.	2

Question Number	Answer	Mark
14 (a)	Award **one** mark for each correct substrate up to a maximum of **two** marks. • Aspen • Shredded paper • Paper pellets • Chopped straw Accept any other appropriate response including brand names.	2

Question Number	Answer	Mark
14 (b)	Award **one** mark for each correct identification and **one** further mark for an expansion, up to a maximum of **four** marks. • Wheel (1) for exercise (1) • Hides/tubes (1) to allow a safe space (1) • Enrichment objects (1) to allow mental stimulation (1) Accept any other appropriate response.	4

Question Number	Answer	Mark
15	Award **one** mark for a correct identification and **one** further mark for expansion, up to a maximum of **two** marks. • Guide dogs (1) to lead visually impaired people (1) • Hearing dogs (1) to alert people with hearing impairments (1) • Seizure detection dogs (1) to inform handler of likely seizures (1)	2

	• Dogs for good (1) to assist people with a range of disabilities (1) • Therapy dogs (1) for emotional support (1) Accept any other appropriate response.	

Question Number	Answer	Mark
16	Responses will be credited according to the learner's demonstration of knowledge and understanding of the material, using the indicative content and level descriptors below. The indicative content that follows is not prescriptive. Responses may cover some or all indicative content, but learners should be rewarded for other relevant responses. • Isolating sick animals • Seeking veterinary treatment • Health checking all other dogs for symptoms of the disease • Deep cleaning procedures • Barrier nursing techniques	6

Level	Descriptor
0 0 marks	No rewardable material
1 1-2 marks	• Demonstrates isolated knowledge and understanding, there will be major gaps or omissions. • Few of the points made will be relevant to the context in the question. • Limited discussion which contains generic assertions rather than considering different aspects and the relationship between them.
2 3-4 marks	Demonstrates some accurate knowledge and understanding, with few minor omissions/any gaps or omissions are minor. • Some of the points made will be relevant to the context in the question, but the link will not always be clear.

	• Displays a partially developed discussion which considers some different aspects and some consideration of how they interrelate, but not always in a sustained way.
3 5-6 marks	Demonstrates mostly accurate and thorough/detailed knowledge and understanding. • Most of the points made will be relevant to the context in the question, and there will be clear links. • Displays a well-developed and logical discussion which clearly considers a range of different aspects and considers how they interrelate, in a sustained way.

Question Number	Answer	Mark
17 (a)	Award **one** mark for each correct identification up to a maximum of **two** marks. • Animal Welfare Act • Licensing of Activities involving Animals Regulations • Welfare of Animals Transport Order Accept any other appropriate current, relevant legislation.	2

Question Number	Answer	Mark
17 (b)	Award **one** mark for a correct identification of organisation and **one** mark for correct expansion, up to a maximum of **four** marks. • RSPCA (1) promotes/enforces welfare (1) • Cats Protection/named charity (1) rescues/rehomes (1) • International Cat Care (1) provides advice/promotes welfare (1) • Pet Industry Federation (1) support for catteries (1) • Local authority (1) licensing of catteries Accept any other appropriate response.	4

Question Number	Answer	Mark
18 (a)	Award **one** mark for each correct response up to a maximum of **two** marks. • Sit	2

	• Stay • Recall • Heel • Retrieve Accept any other appropriate response.	

Question Number	Answer	Mark
18 (b)	Award **one** mark for a correct method and **one** further mark for a suitable expansion, up to a maximum of **two** marks. • Classical conditioning/clicker training (1) reward issued when behaviour displayed (involuntary) (1) • Operant conditioning/shaping (1) dogs display a range of behaviours and appropriate one is rewarded (voluntary) (1) Accept any other appropriate response.	2

Question Number	Answer	Mark
19	Award **one** mark for each correct way and **one** further mark for linked expansion, up to a maximum of **four** marks. • Fluids (1) to prevent dehydration (1) • Antibiotics (1) to treat secondary infection (1) • Blood transfusion (1) treat anaemia (1)	4

	• Supplements (1) to support immune system (1) Accept any other appropriate response.	

Question Number	Answer	Mark
20	Responses will be credited according to the learner's demonstration of knowledge and understanding of the material, using the indicative content and level descriptors below. The indicative content that follows is not prescriptive. Responses may cover some or all indicative content, but learners should be rewarded for other relevant responses. Responses may include reference to: • An overview of accommodation requirements including size and structural materials/security/bedding/substrate/temperature/ventilation/ease of cleaning • Newborn – importance of warmth/security/space for mother/importance of not disturbing for some species • Juvenile – importance of space and enrichment • Pregnant – nesting materials quiet • Geriatric – easy access/non slip	6

Level	Descriptor
0 0 marks	No rewardable material
1 1-2 marks	• Demonstrates isolated elements of knowledge and understanding, there will be major gaps or omissions. • Few of the points made will be relevant to the context in the question. • Limited evaluation which contains generic assertions leading to a conclusion that is superficial or unsupported.
2 3-4 marks	• Demonstrates some accurate knowledge and understanding, with only minor gaps or omissions. • Some of the points made will be relevant to the context in the question, but the link will not always be clear.

	• Displays a partially developed evaluation which considers some different competing points, although not always in detail, leading to a conclusion which is partially supported.
3 5-6 marks	• Demonstrates mostly accurate and thorough/detailed knowledge and understanding. • Most of the points made will be relevant to the context in the question, and there will be clear links. • Displays a well-developed and logical evaluation which clearly considers different aspects and competing points in detail, leading to a conclusion that is fully supported.

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